

WHAT IS CLAIMED IS:

1. A battery remaining amount warning circuit that detects a voltage drop of a battery in an electronic device, comprising:

a storage device which stores a current value in each of a plurality of operating modes of the electronic device;

a measuring device which measures a voltage variation of the battery when a first one of the operating modes of the electronic device is changed for a second one of the operating modes of the electronic device;

a calculation device which calculates a DC resistance value of the battery from the voltage variation measured by the measuring device and a difference between the current value in the first operating mode stored in the storage device and the current value in the second operating mode stored in the storage device; and

a warning device which gives a warning when the DC resistance value calculated by the calculation device becomes greater than a predetermined warning level.

2. The battery remaining amount warning circuit according to claim 1, wherein the electronic device is a digital camera and the plurality of operating modes include a playback mode, recording mode, flash charge recording mode, of the digital camera.